

## ABSTRACT OF THE DISCLOSURE

An induction heating roller device that keeps leakage current within specifications and prevents the occurrence of erroneous operations caused by common mode noise. The  
5 induction heating roller device includes an induction coil, a grounded heating roller magnetically coupled to the induction coil and heated by electro-magnetic induction. A power factor improving capacitor is connected in parallel to  
10 and near the induction coil and has a grounded intermediate point. A high-frequency power source biases the induction coil. The leakage current produced by distributed capacitance between the induction coil and the heating roller is returned to the high-frequency power source via  
15 the power factor improving capacitor. Thus, the leakage current does not flow out of the induction heating roller device.